

19991015.qrp v01\_n609.qrl.991015

Date: Fri, 15 Oct 1999 19:03:11 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1609

QRP-L Digest 1609

Topics covered in this issue include:

- 1) [53231] Re: HSC website?  
by "John J. McDonough" <jjmcd@tm.net>
- 2) [53232] Re: Pacificon Weather & Hotel Report  
by "John J. McDonough" <jjmcd@tm.net>
- 3) [53233] SSPRAT 100 arrives & other musings  
by Nils R Young <nilsbull@juno.com>
- 4) [53234] Non-interfering basis disasters & other lunacies  
by Nils R Young <nilsbull@juno.com>
- 5) [53235] Re: OT: Which scope should I buy  
by "George T. Baker" <w5yr@swbell.net>
- 6) [53236] Summary: Power Connectors (BRIEF!)  
by "Rod Cerkoney" <rlw@friei.com>
- 7) [53237] Exploding Batteries  
by "Ken Hanks" <ken.hanks@po.state.ct.us>
- 8) [53238] RSGA solar report 10-15  
by "Paul Harden, NA5N" <na5n@rt66.com>
- 9) [53239] 160 meter QRP on the Fall QSO Party  
by "Bill Kelsey - N8ET - Kanga US" <kanga@bright.net>
- 10) [53240] Re: Exploding Batteries  
by Pete Burbank <plburbank@kih.net>
- 11) [53241] RE: Power Connectors  
by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
- 12) [53242] Re: Y2K PacifiCon Countdown  
by DYARNES@aol.com
- 13) [53243] re: New Contest Logging Program - Honest RST's  
by "Bruce Prior" <n7rr@hotmail.com>
- 14) [53244] 2N2/40 Elmer  
by <SFIKE@twa.com>
- 15) [53245] Re: SSPRAT 100 arrives & other musings  
by "Vincent Ferme" <vferme@sprint.ca>
- 16) [53246] Elecraft Update Plus SSB/NB/160M Manual downloads  
by Eric Swartz WA6HHQ - Elecraft <erics@elecraft.com>
- 17) [53247] Need Opinion on Keyer: Super CMOS-III or MFJ-492?  
by "Kevin F. Glynn" <KFGLYNN@prodigy.net>
- 18) [53248] re: last bell  
by "ke5tc" <ke5tc@crosstel.net>
- 19) [53249] Re: Yagi Antenna raising questions

- by "Nick Kennedy" <nkennedy@cswnet.com>
- 20) [53250] Re: News Flash  
by N7YA@aol.com
- 21) [53251] Decal Link  
by "Ron Polityka" <wb3aal@talon.net>
- 22) [53252] Re: Need Opinion on Keyer: Super CMOS-III or MFJ-492?  
by "Floyd Smithberg" <flydnq7x@primenet.com>
- 23) [53253] re: New Contest Logging Program - Honest RST's  
by Monte Stark <ku7y@dri.edu>
- 24) [53254] FS- AEA DX Handy for 10 mtrs, Rare!!  
by RLucch2098@aol.com
- 25) [53255] Ad address !  
by Monte Stark <ku7y@dri.edu>
- 26) [53256] Re: Ad address !  
by Monte Stark <ku7y@dri.edu>
- 27) [53257] Need help with computer  
by RangerSF5@aol.com
- 28) [53258] Re: Need help with computer  
by GElam30092@aol.com
- 29) [53259] Thanks Gerry  
by RangerSF5@aol.com
- 30) [53260] NC20: T8 mod  
by Gary L Surrency <gsurrency@juno.com>
- 31) [53261] Computer problem solved  
by RangerSF5@aol.com
- 32) [53262] WTB 38 Special  
by David Feldman <dgif@netcom.com>
- 33) [53263] For Sale: cpu/stuff  
by "Ed Tanton" <n4xy@att.net>
- 34) [53264] Emtech - Back online  
by Scott Gregson <emtech@steadynet.com>
- 35) [53265] Tuna Tin Beacon on 7.043.10 735Z till 750Z  
by "Jack Oakland, CA" <w6abc@yahoo.com>
- 36) [53266] Re: SPICE simulator recommendations?  
by John R Kirby <n3aaz-qrp@juno.com>
- 37) [53267] Re: Need Opinion on Keyer: Super CMOS-III or MFJ-492?  
by DNT1@daimlerchrysler.com
- 38) [53268] Re: Need Opinion on Keyer: Super CMOS-III or MFJ-492?  
by mwattcpa@earthlink.net (Marty Watt)
- 39) [53269] Re: Exploding Batteries  
by David Hinerman <dlh1009@ritvax.isc.rit.edu>
- 40) [53270] Re: Exploding Batteries  
by "Mike Yetsko" <myetsko@insydesw.com>
- 41) [53271] Re: OT: Which scope should I buy  
by Michael Melland <badger@vbe.com>
- 42) [53272] QRP Contesting This Weekend  
by Ken Newman <N2CQ@citnet.com>
- 43) [53273] Yet another gel cel question

- by Jeff Grudin <grudin@vdb.com>
- 44) [53274] FOX team question  
by "Joe Spencer" <joes@tcjc.cc.tx.us>
- 45) [53275] Looking for 14.060 crystals  
by Dick Stimson <destimson@juno.com>
- 46) [53276] Re: OT: Which scope should I buy  
by Norm Melick <henmel@worldnet.att.net>
- 47) [53277] Excess equipment/Tektronix Type 602  
by charles k brown <n4so@juno.com>
- 48) [53278] Re: OT: Which scope should I buy  
by Michael Melland <badger@vbe.com>
- 49) [53279] Re: OT: Which scope should I buy  
by "George T. Baker" <w5yr@swbell.net>
- 50) [53280] Smart Keyer III Re: Need Opinion on Keyer: Super CMOS-III or MFJ-492?  
by "Marshall Emm" <mgemm@mttechnologies.com>
- 51) [53281] Re: OT: Which scope should I buy  
by Michael Melland <badger@vbe.com>
- 52) [53282] Spectrum Display Unit  
by Ed Loranger <we6w@qsl.net>
- 53) [53283] OT: AM SW Receiver Design  
by "Joel Kluender, NF9K" <nf9k@eudoramail.com>
- 54) [53284] TunaTin2 On the air and working!  
by "Jack Oakland, CA" <w6abc@yahoo.com>
- 55) [53285] Re: OT: Which scope should I buy  
by "Art Neilson, AH6PZ" <art@hawaii.rr.com>
- 56) [53286] buzz saw?  
by David Hinerman <dlh1009@ritvax.isc.rit.edu>
- 57) [53287] 2nd CALL for LOST \*E\* MAIL  
by RangerSF5@aol.com
- 58) [53288] STILL LQKKING.....LAST TRY  
by RangerSF5@aol.com
- 59) [53289] suuper glue  
by "Robert G. Seymour" <bobsey@juno.com>
- 60) [53290] Re: OT: AM SW Receiver Design  
by "Joel Kluender, NF9K" <nf9k@eudoramail.com>
- 61) [53291] Kits under \$50.00; pacificon; QRP Dreams....  
by Ed Loranger <we6w@qsl.net>
- 62) [53292] Time Travel  
by <SFIKE@twa.com>
- 63) [53293] Download Morse Academy ?  
by KF4EIB@aol.com
- 64) [53294] Ni-Cads for qrp  
by Bruce Rattray <rattray@gpfn.sk.ca>
- 65) [53295] Fw: Yet another gel cel question  
by "Ron Smith" <resmith666@uswest.net>
- 66) [53296] FS: Argonaut 515 and accessories  
by W1XV@cs.com
- 67) [53297] RE: Download Morse Academy ?

by "Mike D." <hrg@megsinet.net>  
68) [53298] TunaTin2 On the air and working!  
by "Wilford D. Lindsey" <70511.3041@compuserve.com>  
69) [53299] Need help with part ID  
by RangerSF5@aol.com  
70) [53300] Re: FS  
by "Dick Schneider" <dschneider2@uswest.net>

-----  
Date: Thu, 14 Oct 1999 19:25:09 -0400  
From: "John J. McDonough" <jjmcd@tm.net>  
To: <n7dw@garlic.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [53231] Re: HSC website?  
Message-ID: <002801bf169b\$5f20f2c0\$010044c0@conor-mac-nessa>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

-----Original Message-----  
From: Russ Dow <n7dw@garlic.com>

>I don't know if you'll find any Pixie info, but that's HSC's address.

It's kind of interesting - HSC has the Pixie for 40 and the other URL has the Pixie for 80. When I got mine (from HSC) it came with the parts for both (I think there was only 1 or 2 inductors different tho).

72/73 de WB8RCR      <http://www.qsl.net/wb8rcr/>  
didileydadidah      QRP-L #1446 Code Warriors #35

-----  
Date: Thu, 14 Oct 1999 19:37:41 -0400  
From: "John J. McDonough" <jjmcd@tm.net>  
To: <ki6ds@dpol.k12.ca.us>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [53232] Re: Pacificon Weather & Hotel Report  
Message-ID: <005d01bf169d\$1e4cf620\$010044c0@conor-mac-nessa>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: Hendricks, Doug <ki6ds@dpol.k12.ca.us>

>Guys, the weather report for this weekend in Concord, site of Pacificon is  
>for sunny skies, mild temperatures in the low 80's and NO rain. In a  
>nutshell, beautiful. Typical California fall weather.

I've visited that same hotel many times on business (tho sadly, I will not  
be there this weekend). As best I can tell, they only have the one weather  
there. Don't know why they even bother with weather reports.

72/73 de WB8RCR      <http://www.qsl.net/wb8rcr/>  
didileydadidah      QRP-L #1446 Code Warriors #35

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Date: Thu, 14 Oct 1999 19:56:11 -0400  
From: Nils R Young <nilsbull@juno.com>  
To: QRP-L@lehigh.edu  
Subject: [53233] SSPRAT 100 arrives & other musings  
Message-ID: <19991014.201240.-631289.7.nilsbull@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

Fellow afflicteds,

When Rev. George Dobbs announced on this list some time ago that the  
100th edition of SPRAT was going to the printers & that those who did not  
renew their subs quickly would miss it, I thought that I might be one of  
the lucky few who could remember whether or not I'd renewed my sub. The  
old hippie standing in the middle of a golf course during a rain storm  
thinking he won't get hit by lightning.

Well, I was lucky. Number 100 of SPRAT was in the mailbox when I got home  
today. That and some other stuff I seldom read and not yet the SSB, NB &  
160 options for my much-tortured K2.

If you get your copy, you'll see that for the 100th edition, George broke  
with the traditional front & back cover lay out to make sure you don't  
miss the point. One hundred issues of a magazine that was probably only  
imagined to be of interest to a few hundred. Looking in the "Members  
Handbook 1999-2000" that came with #100, I easily see that some members

have membership numbers of 10000 & some. That's a lot of believers!

George & the G-QRP gang deserve a round of thanks & support for what they have done to internationalize QRP awareness & activity.

73

Nils

-----

Nils R. Bull Young -- El Gringo Errante -- La Estancia de los Guajolotes  
Sonrientes

<http://home.fiberia.com/wb8ijn> -- WB8IJN --

<http://members.xoom.com/nilsbull>

"In my day you had to FIGHT to have oligarchs! Every day was a STRUGGLE!

-- Comrade Sergei Nikolaevich McTovarishov --

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Date: Thu, 14 Oct 1999 20:10:54 -0400

From: Nils R Young <[nilsbull@juno.com](mailto:nilsbull@juno.com)>

To: QRP-L@lehigh.edu

Subject: [53234] Non-interfering basis disasters & other lunacies

Message-ID: <19991014.201240.-631289.8.nilsbull@juno.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

Gang,

I think I mentioned having heard a PY station calling CQ on 10m, only to discover that some "freebander" had plonked down nearby & was QRMing him. The PY station responded by sending in CW "PLEASE QSY PIRATE STATION" over and over and over.

Well, tonight I heard someone on 12m sending "QSY IDIOT" over and over with the continued prating of some latino voice in LSB right in the middle of the CW section of that band.

Considering the discussion that has gone on here lately about QRMing "freebanders" and people being hassled for interfering with an interfering pirate station, either of these two blighted souls would probably have been better of just turning off the radio & going out for a walk.

On the other hand, I think I would have been tempted to put the rig in LSB and let fly with a few choice statements, in the lingo, to the effect that the "freebender" was interfering with legal operators on the bands in question. You can easily bet that the freebanders were not bothered by the CW any more than they would have been able to understand what was being carefully broadcast for their benefit.

And then there are the RULES & REGULATIONS which we try to follow in our enjoyment of this hobby. We've heard about the CB vs 10m amplifier rules, each section of which is as bewilderingly obfuscatory as the next, even to the point of disassembling a CB linear because it might be, in some picayune way, in violation of whatever sub-decant codicile might regulate the use of an otherwise illegal object by someone who would be using it in a legal way in the legal pursuit of whatever joy might be gotten from just talking on the radio.

If there's a rule that makes people disassemble & part out otherwise nominally useful pieces of gear, you can bet that there's a rule somewhere that says something about interference with an illegal transmission that is interfering with legal transmissions.

I'm beginnning to think that the Laws of Cricket are easier to understand.

73

Nils

. . . if it were me, I'd have built a LPF for the CB thing, put it in a box in the trunk of my battered Mexican taxicab and hooked it up to my K2 (once it gets the SSB option) so that I could drive down the road & work 12 & 10m skip . . . Er, DX.

. . . and I may yet succumb to the temptation to pick up the mic & say in smooth and melifluous tones "Oye, vato. Callate la boca y QSY, por favor. Estas haciendo QRM aqui. Cabron."

-----

Nils R. Bull Young -- El Gringo Errante -- La Estancia de los Guajolotes Sonrientes

<http://home.fiberia.com/wb8ijn> -- WB8IJN --

<http://members.xoom.com/nilsbull>

"In my day you had to FIGHT to have oligarchs! Every day was a STRUGGLE!

-- Comrade Sergei Nikolaevich McTovarishov --

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-----  
Date: Thu, 14 Oct 1999 19:43:26 -0500  
From: "George T. Baker" <w5yr@swbell.net>  
To: kory@avatar.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [53235] Re: OT: Which scope should I buy  
Message-ID: <380678AE.1C9648ED@swbell.net>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7bit

475

72/73, George            AMA 98452            R/C since 1964

Amateur Radio W5YR, in the 54th year and it just keeps getting better!  
AutoPOWER Systems, Fairview, TX (30 mi NE Dallas) Collin County  
QRP-L QRP-ARCI FISTS NORCAL ZOMBIE ARS 10-X 33.2 N 96.6 W EM13RE

Kory Hamzeh wrote:

> Which one should I buy?

-----  
Date: Thu, 14 Oct 1999 18:46:05 -0600  
From: "Rod Cerkoney" <rwc@frii.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [53236] Summary: Power Connectors (BRIEF!)  
Message-ID: <003f01bf16a6\$b30821a0\$478711d8@compaq>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

WOW!

Tremendous number of responses, thank you all.

It's going to be Anderson Stackpole from: <http://www.dcpwr.com/>

When I checked them out it gave be the flexibility I wanted, in a small package and plenty of current carrying ability. Cost is easy to take too. But the kicker was when I checked into our ARES net last night. The announcement was made that we were going to that here like other ARES groups, around the country. (One guy here, K7YJ, has



extensive experience with the Stackpole device and has them everywhere, car, truck, basement, kitchen...;-)

Molex is good too, I would have gone for that and used more than one in parallel to up the current rating. For personal use I like the polarized plugs, no reverse connections to worry about. (Fried a MFJ 259B doing that last week, OUCH)

So that's the deal, Briefly. Write me if you have questions.

---

72/3 Rod, N0RC  
da di dah

----- Original Message -----

From: Rod Cerkoney <rwc@frii.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Sent: Wednesday, October 13, 1999 11:02 AM  
Subject: Power Connectors

> Folks:

>

> I'm looking for a good "universal power connector". (Something  
> higher tech than wire nuts Ron, ;-)

>

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Date: Thu, 14 Oct 1999 20:52:27 -0400  
From: "Ken Hanks" <ken.hanks@po.state.ct.us>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [53237] Exploding Batteries  
Message-ID: <002901bf16a7\$916db9a0\$c30f3ccc@acer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Interesting discussion lately on the Fire-L (firefighters mailing list) about a flashlight that exploded on a firefighter.

Investigation by NIOSH (National Institute for Occupational Safety and Health) pointed as the most likely cause was mixing of batteries with different charge states. Excessive hydrogen gas was produced and an explosion

resulted.

Most flashlights used by firefighters (and others) are air and water tight.

Any hydrogen produced is either vented through a 1 way check valve or absorbed by a chemical. An explosive concentration of hydrogen is developed if the rate of hydrogen production is higher than rate of absorption or release.

Report states that this can happen with batteries from different manufacturers, types, or charge status.

Full report available at:

<http://www.cdc.gov/niosh/fact0002.html>

I will be happy to e-mail a copy to anyone who does not have web access.

I have been aware of the hydrogen gas from car or marine batteries.

I never gave a thought to the "C" or "D" cell types batteries.

Something to think about before the next trip to the field with a box of "AA" cells.

73,

Ken Hanks K1XS  
Naugatuck, CT  
Kennfd@snet.net  
<http://www.qsl.net/k1xs>

-----  
Date: Thu, 14 Oct 1999 19:09:48 -0600 (MDT)  
From: "Paul Harden, NA5N" <na5n@rt66.com>  
To: qrp-1@lehigh.edu  
Subject: [53238] RSGA solar report 10-15  
Message-ID: <Pine.SUN.4.10.9910141848230.29750-1000000@shell.rt66.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

> JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
> SDF NUMBER 287 ISSUED AT 2200Z ON 14 OCT 1999

> IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 13/2100Z  
> TO 14/2100Z: SOLAR ACTIVITY WAS HIGH. REGION 8731 (N29E24) PRODUCED  
> AN X1/1N FLARE AT 0900Z. THE EVENT WAS RATHER IMPULSIVE BUT WAS  
> ASSOCIATED WITH TYPE II AND TYPE IV RADIO SWEEPS. REGION 8731 HAS  
> SHOWN REMARKABLE DEVELOPMENT DURING THE PAST 24 HOURS, AND IS  
> CURRENTLY THE LARGEST REGION ON THE DISK. THERE APPEARS TO BE A  
> DELTA SPOT FORMING IN THE CENTER OF THE REGION, JUST IN FRONT OF THE  
> DOMINANT TRAILER.

A region of sunspots can develop strong magnetic fields between the spots. A BETA group is when magnetic fields leave one spot and re-enter the sun through another spot ... that is, one spot has a "north" pole, the other a "south" pole (also known as a "bipolar" magnetic field). Often these magnetic field lines will stretch ten thousands of miles between spots.

On a very "hot" sunspot group, these magnetic fields become very intense and very close to each other. This is known as a DELTA group ... very strong, close knit magnetic field lines between spots, and is often an indicator of a possible major flare about to occur. Usually when a DELTA group begins to form, various agencies will issue a major flare alert.

Then when a large flare does occur, it occurs underneath this strong magnetic field line, such that the field lines tends to "suck up" mass from the sun forming a halo (as the mass swirls along the field lines). This is a coronal mass ejection (CME). Of course to be a true CME, some of this mass must be propelled away from the sun to escape these magnetic field lines, where they travel outward into space. And if they just happen to travel along the solar wind plane to impact the earth, it will smack into our magnetic field, causing it to distort and wiggle, causing huge electrical currents to be generated, meaning lots of noise on HF, and your basic geomagnetic storm.

I'll be a PacifiCon next few days and away from email. But keep an eye on the solar reports for further large flare activity from this area. If anybody gets the daily RGSA, you might want to forward it to qrp-l if activity continues to be active.

You can check for flare activity yourself at:

[www.sec.noaa.gov/today.html](http://www.sec.noaa.gov/today.html)

Scroll down the "Today's Space Weather" page a bit until you get to the x-ray energy plot. You'll see today's X1 flare as the background x-ray power sudden increases several orders of magnitude, and returns to normal very quickly. (That is the definition of an IMPULSIVE flare, BTW). Some flares will produce x-rays for an hour or longer.

Another nice site is: [www.dxlc.com](http://www.dxlc.com) and go to the solar report. It also has some nice (updated daily) plots of the solar flux, A-index and the

solar wind velocity and density ... along with a brief description of current solar and geomagnetic conditions and forecasts.

> IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE  
> MOSTLY MODERATE, WITH THE MAJORITY OF ACTIVITY FROM REGION 8731. IF  
> THE CURRENT TREND IN 8731 CONTINUES THERE IS A FAIR CHANCE FOR AN  
> ADDITIONAL MAJOR FLARE FROM THIS REGION SOMETIME DURING THE NEXT  
> THREE DAYS.

The expectation of further flare activity is based on the fact of the growing magnetic fields (the DELTA configuration) as described above.

> IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 13/2100Z TO 14/2100Z:  
> THE GEOMAGNETIC FIELD WAS MOSTLY ACTIVE. THERE WAS A PERIOD OF MINOR  
> STORM LEVELS AT HIGH LATITUDE FROM 1500-1800Z. SOLAR WIND  
> OBSERVATIONS INDICATE THE CONTINUED INFLUENCE OF A HIGH SPEED STREAM  
> WHICH IS ORIGINATING FROM A WELL-POSITIONED CORONAL HOLE. THE  
> GREATER THAN 2 MEV ELECTRON FLUXES ATTAINED HIGH LEVELS DURING THE  
> PAST 24 HOURS.

Today's K-index hit storm levels, NOT due to today's X-class flare, but from persistent higher solar wind flow from coronal holes.

> IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS  
> EXPECTED TO BE ACTIVE TOMORROW AS THE CURRENT DISTURBANCE CONTINUES.  
> CONDITIONS SHOULD BEGIN TO DECLINE ON THE 2ND DAY, ALTHOUGH THERE  
> MAY BE SOME LINGERING EFFECTS EARLY IN THE DAY. MOSTLY UNSETTLED  
> CONDITIONS SHOULD PREVAIL BY THE THIRD DAY.

Oddly, no mention is made of the possible impact Oct. 16th from today's flare. Imaging analysis may cause this forecast to change tomorrow if they feel the shock wave from today's flare will impact the earth.

> III. EVENT PROBABILITIES 15 OCT-17 OCT  
> CLASS M 65/65/65 <---- even an M-class flare can cause further  
> CLASS X 20/20/20 disruptions to HF  
> PROTON 10/15/20  
> PCAF GREEN <---- so far, Alaska is safe :-)

> IV. PENTICTON 10.7 CM FLUX  
> OBSERVED 14 OCT 200 <----- VERY HIGH. Take advantage of it!!!  
> PREDICTED 15 OCT-17 OCT 200/200/200  
> 90 DAY MEAN 14 OCT 156

> V. GEOMAGNETIC A INDICES  
> OBSERVED AFR/AP 13 OCT 021/026 <----- Minor storm level yesterday  
> ESTIMATED AFR/AP 14 OCT 020/022 <----- ditto for today  
> PREDICTED AFR/AP 15 OCT-17 OCT 020/025-010/020-010/015

For information purposes only. This is not the end of the world. Do not sell your stocks and bonds. In fact, get on the air and enjoy the high solar flux on the higher bands. Just be aware that 40M and 80M will be noisy next few days, but good propagation above 10MHz or so.

GL, Paul NA5N

-----  
Date: Thu, 14 Oct 1999 21:06:53 -5  
From: "Bill Kelsey - N8ET - Kanga US" <kanga@bright.net>  
To: QRP-L@lehigh.edu  
Subject: [53239] 160 meter QRP on the Fall QSO Party  
Message-ID: <199910150106.VAA05745@sparticus.bright.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

The fall QSO party is rapidly approaching... I will be operating at an excellent 160 meter QTH with a full wave delta loop which is now at 120' at the top. It can be pulled to 160' at the top....

Is there any interest in qso's in the Fall QSO party on 160?? If so - I will haul the loop up another 40' and will publish a couple of times over the weekend that I will be sure to be on 160.

Let me know before this weekend so I can get the loop up and the beverages hooked up...

73 - Bill - N8ET  
73 - Bill - N8ET  
Kanga US  
kanga@mail.bright.net  
<http://www.bright.net/~kanga/>  
419-423-4604

-----  
Date: Thu, 14 Oct 1999 21:15:59 -0400  
From: Pete Burbank <plburbank@kih.net>  
To: <qrp-l@Lehigh.EDU>  
Subject: [53240] Re: Exploding Batteries  
Message-ID: <3.0.32.19991014211554.0068589c@kih.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

This subject reminds me of the manager of a place I lived.  
(A good candidate for the Darwin Award). He was charging a  
motorcycle battery and checked the acid level with a match.  
The explosion sent acid and plastic flying. The idiot was  
lucky he wasn't hurt.  
73 Pete NV4V

-----  
Date: Thu, 14 Oct 1999 21:24:11 -0400  
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>  
To: rwc@frii.com, "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>  
Subject: [53241] RE: Power Connectors  
Message-ID: <3806823B.7F57F643@home.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Nice Idea Ron. I do something similar by standardizing to MOLEX  
connectors as the "go between". I try to keep everything at 12 volts  
incoming with regulation, step down transformers, etc. on the radio side  
of things. That way I know that every female molex in the shack, car,  
battery pack is the same.

Here's a semi rhetorical question for the group. Why didn't  
manufacturers ever come up with a standard plug and pin setup based on  
voltage. It would seem it would be easy to make all center conductors  
positive and then have something like small medium and large plugs for  
6V, 9V, 12V. That way you'd have less chance of letting the smoke out of  
things. One outfit that has sort of done something like this is a  
company called Optoelectronics. No matter what piece of gear you buy  
from them, the "wall wart" is a standardized 9 volt cube with a center  
positive plug of the same size.

--

+++++

T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

Website <http://members.home.net/tjarey>

Snail Mail: PO Box 236, Beverly, NJ 08010

Specialization is for insects! LAZARUS LONG

-----  
Date: Thu, 14 Oct 1999 21:33:15 EDT

From: DYARNES@aol.com  
To: fantbb@yahoo.com, qrp-1@lehigh.edu  
Subject: [53242] Re: Y2K PacifiCon Countdown  
Message-ID: <0.29273028.2537de5b@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

In a message dated 10/14/99 2:39:07 PM US Mountain Standard Time,  
fantbb@yahoo.com writes:

<< Sure is hard to believe PacifiCon is almost  
> See you all at Fudrucker's friday night. >>

I'll be there if I can ever get the hell out of this office!!! Going home  
shortly to pack my bag--had hoped to go today, but no such luck. C U all  
there.

72 de Dave W7AQK

-----  
Date: Thu, 14 Oct 1999 18:47:31 PDT  
From: "Bruce Prior" <n7rr@hotmail.com>  
To: qrp-1@Lehigh.EDU  
Subject: [53243] re: New Contest Logging Program - Honest RST's  
Message-ID: <19991015014732.97141.qmail@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Dear Brian --

Good for you for making your beta version available. I have a simple  
question: Does your program ENCOURAGE people to give honest signal reports,  
or does it DISCOURAGE them to do the same? I consider the practice of  
spewing out ubiquitous 599 RST's in DXing and contesting fundamentally  
dishonest and therefore unsportsmanlike. The only contesting program I've  
used, NA, other than ones I wrote, makes it extremely difficult to record  
anything other than 599 sent from my end. I don't understand why contest  
and award sponsors continue to condone the practice. The best solution,  
since the problem has gotten so bad, is simply to eliminate any RST  
exchanges for all contests and fast-string DX QSO's. Why waste time on  
meaningless drivel? There, it's off my chest. I feel better! 8=))

Bruce Prior N7RR in Blaine, WA -- one of the Mangy Musers

-----  
Get Your Private, Free Email at <http://www.hotmail.com>

-----  
Date: 14 Oct 1999 20:51:01 LOC  
From: <SFIKE@twa.com>  
To: <qrp-1@lehigh.edu>  
Subject: [53244] 2N2/40 Elmer  
Message-ID: <19991014.205101.SFIKE@twa.com>

Gang,  
Here we are nearly half-way through October and there hasn't been an ongoing 2N2/40 Elmer series as had been planned for this month here on QRP-1. Anybody know what happened? I was really looking forward to the series.....  
72  
Scott,kc0bus

-----  
Date: Thu, 14 Oct 1999 22:09:41 -0400  
From: "Vincent Ferme" <vferme@sprint.ca>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [53245] Re: SSPRAT 100 arrives & other musings  
Message-ID: <002901bf16b2\$585f65e0\$903767d1@vince>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I'll second Nils motion!! The G-QRP is an excellent club and SPRAT is an excellent publication.

Many thanks to Rev. Dobbs and all those listed on the cover of the members handbook for their excellent work.

Vince, VE3VFN.

> George & the G-QRP gang deserve a round of thanks & support for what they  
> have done to internationalize QRP awareness & activity.

-----  
Date: Thu, 14 Oct 1999 19:25:08 -0700  
From: Eric Swartz WA6HHQ - Elecraft <erics@elecraft.com>  
To: EleCraft mail list <elecraft@qth.net>



Cc: QRP-L <qrp-l@lehigh.edu>, GQRP <gqrp@onelist.com>  
Subject: [53246] Elecraft Update Plus SSB/NB/160M Manual downloads  
Message-ID: <38069084.C5FFEEAF@elecraft.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi,

We have posted a K2 news update and downloadable manuals for the SSB, Noise Blanker and 160/2nd RX Antenna options at <http://www.elecraft.com>

Follow the links for "Elecraft News" and "K2 Manuals."

For those of you out here on the 'Left Coast', Wayne, Scott and I will be at the ARRL Pacificon Hamfest in Concord, CA this weekend. Also, 'QRP Bob' Dyer - KD6VIO will be showing his NorCal40, Sierra and SST QRP radio kits at the Elecraft booth. We don't plan to get much sleep this week end... See you all there!

72, Eric WA6HHQ

-----  
Date: Thu, 14 Oct 1999 22:18:17 -0400  
From: "Kevin F. Glynn" <KFGLYNN@prodigy.net>  
To: <qrp-l@lehigh.edu>  
Subject: [53247] Need Opinion on Keyer: Super CMOS-III or MFJ-492?  
Message-ID: <000c01bf16b3\$fb079b40\$bd5a9cd1@oemcomputer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hey gang,

Hoping to get some opinions on what keyer's best. My MFJ Grandmaster MFJ-484 may be put out to greener pastures soon. It served me well, but looking for something newer and better.

I'm looking at Idiom Press' Super CMOS-III (same as Logikey K-3) and the MFJ-492.

If you've used and/or own one please let me know what you think. Thanks for the help.

72 Kevin N2TO  
Brooklyn, NYC

kfglynn@prodigy.net

-----  
Date: Thu, 14 Oct 1999 21:36:08 -0500  
From: "ke5tc" <ke5tc@crosstel.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [53248] re: last bell  
Message-ID: <002101bf16b6\$09edc6a0\$986c1ece@computer1>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I know Doug is gone and will not read this until next week, but here in Oklahoma we also go to school on fridays. I may need Doug's school schedule. The three day weekends to work qrp/cw sounds great!!! I really didn't know how I was going to work a qrp thread into this when I started.... Have fun at Pacificon.. de ke4tc Royce

-----  
Date: Thu, 14 Oct 1999 21:27:18 -0700  
From: "Nick Kennedy" <nkennedy@cswnet.com>  
To: <ku7y@dri.edu>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [53249] Re: Yagi Antenna raising questions  
Message-ID: <001e01bf16c5\$9230bfe0\$a07154d8@user>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Seems like good advice and money well spent. Especially for a guy like me who gets white knuckled and trembly on top of my 48 foot free-standing tower.

And I LIKE plutonium. I think it's good stuff.

72,

Nick, WA5BDU

-----Original Message-----  
From: Monte Stark <ku7y@dri.edu>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Date: Thursday, October 14, 1999 8:37 AM  
Subject: Re: Yagi Antenna raising questions

>  
>Next I called a sign company. (Young Electric Sign Company). They  
>sent out a truck with a 120' reach.  
>  
>I climbed the tower while the one helper I had guided the yage.  
>The sign truck lifted the yagi/mast up to me and set it down  
>through the top plate/barring and into the rotor.  
>  
>Total cost of the sign truck was only \$125!  
>  
>  
>73, Ron,       SOWP 5545M,  
>  
>.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
>....ku7y@dri.edu.....Washoe Lake, Nevada....  
>....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....  
>  
>

-----  
Date: Thu, 14 Oct 1999 22:44:25 EDT  
From: N7YA@aol.com  
To: qrp-l@lehigh.edu  
Subject: [53250] Re: News Flash  
Message-ID: <0.4f8d2983.2537ef09@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

In a message dated 10/14/99 4:08:33 PM Pacific Daylight Time, SFIKE@twa.com writes:

<< There have been \*MASSIVE\* sun-spot flare ups today (10-14-99)!!!!  
Even 2 meter communications are fouled up, locally (Kasas City,Mo.)!  
Just thought I would pass this along to everyone! >>

It must have missed me because i just worked 3D2QB on 15 cw at 0328, and im hearing ZL's on that band too. Theres also some activity on 20...nothing on 10 so that must be the cutoff point here. this is a strange cycle, lots of wierd lows and spectacular highs....right now as I type, there is a TU2 with a following on 20 cw (too bad i cant hear him). but this flare doesnt appear

to be having an impact down in the desert southwest at this time.

73...Adam, N7YA

-----  
Date: Thu, 14 Oct 1999 22:55:03 -0400  
From: "Ron Polityka" <wb3aal@talon.net>  
To: ". QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [53251] Decal Link  
Message-ID: <001101bf16b8\$ae728ec0\$1be508cf@wb3aal>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Custom made decal link.

<http://www.mich.com/~bjlavoie/decals.html>

72 & 73  
Good DXing

Ron Polityka  
de WB3AAL  
wb3aal@talon.net

vvv Eastern Pennsylvania QRP Web Page vvv  
[http://www.kpsnet.com/wb3aal/Start\\_Page.htm](http://www.kpsnet.com/wb3aal/Start_Page.htm)  
Eastern Pennsylvania QRP Club Call --> N3EPA

|                 |               |
|-----------------|---------------|
| EPA QRP #1      | NJ QRP #179   |
| KL7 QRP # 309   | G-QRP # 3031  |
| ARCI QRP # 5318 | 10 - X #13173 |
| NorCal          | Zombie #625   |
| ARS # 380       | HI-QRP #153   |
| VA QRP Society  |               |

SETI @ Home Project  
<http://setiathome.ssl.berkeley.edu>

-----  
Date: Thu, 14 Oct 1999 20:40:05 -0700  
From: "Floyd Smithberg" <flydnq7x@primenet.com>  
To: <KFGLYNN@prodigy.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [53252] Re: Need Opinion on Keyer: Super CMOS-III or MFJ-492?

Message-ID: <000601bf16bf\$11c8cc40\$e5ad30d0@primenet.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
    charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I have two CMOSIII(wouldn't want to be without one)....think it's the best....  
built both from kits and put micro-regulator in second which runs off a 9v battery(no off/on switch)...battery has been in there for 8-10 months????  
Neat for contesting, Fox, etc.  
Floyd NQ7X Phoenix ScQRPion DM33uq

-----  
Date: Thu, 14 Oct 1999 20:53:49 -0700 (PDT)  
From: Monte Stark <ku7y@dri.edu>  
To: Bruce Prior <n7rr@hotmail.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [53253] re: New Contest Logging Program - Honest RST's  
Message-ID: <Pine.GS0.4.10.9910142051390.67-100000@rotor.dri.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

TR Log lets you copy any report sent.

It has a default in case you don't enter one. And you can make the default whatever you want.

However, on sending, you can only send the real S number. The R and T are set at whatever you want.

You can have the program just sit there and wait until you enter the S number if you like! :-)

cul,

73, Ron,       SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

-----  
Date: Thu, 14 Oct 1999 23:57:58 EDT

From: RLucch2098@aol.com  
To: qrp-1@lehigh.edu  
Subject: [53254] FS- AEA DX Handy for 10 mtrs, Rare!!  
Message-ID: <0.9cac6a25.25380046@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Hi Fellas;  
I have for SALE:  
AEA DX Handy for 10 mtr SSB es CW, 2 watts, built in Speaker es CW  
key(button).  
Cover two sections of the band at 28.000 to 28.050 for CW and 28.300 to  
28.350 for SSB, New Alkalines, Original Mizuho 28 mhz Stretch out antenna and  
Manual.  
In excellent condx from original owner.  
Price is \$160 ppd Conus  
Thanks es 73....Rich WA2RQY (1961)  
RLUCCH2098@aol.com  
"Keep those heaters on"

-----  
Date: Thu, 14 Oct 1999 21:01:40 -0700 (PDT)  
From: Monte Stark <ku7y@dri.edu>  
To: Low Power Amateur Radio <qrp-1@Lehigh.EDU>  
Subject: [53255] Ad address !  
Message-ID: <Pine.GS0.4.10.9910142100220.67-100000@rotor.dri.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Thanks to all for the info.....

And it was in World Radio.....see? I knew it wasn't  
from all the fumes!

Pacificon here I come..... Wheeeeeeee

73, Ron,        SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

-----  
Date: Thu, 14 Oct 1999 21:14:55 -0700 (PDT)

From: Monte Stark <ku7y@dri.edu>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [53256] Re: Ad address !  
Message-ID: <Pine.GS0.4.10.9910142114110.335-100000@rotor.dri.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Opps,

Here is the URL....

<http://www.jps.net/ko6yd/>

But the bad news is that it says they are not  
ready for sale quite yet!

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

-----  
Date: Fri, 15 Oct 1999 00:17:54 EDT  
From: RangerSF5@aol.com  
To: qrp-1@lehigh.edu  
Subject: [53257] Need help with computer  
Message-ID: <0.5813aad8.253804f2@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Hi Gang,  
Everytime I try to open a program on a Girls machine,I get an error message  
telling me that I have to delete a line of a file number because it;s bad.  
How do I get into win.ini with WIN-95?  
Sure miss good old 3.1.  
Thanks  
Bob  
WA2HQrp <tm>

-----  
Date: Fri, 15 Oct 1999 00:23:48 EDT  
From: GElam30092@aol.com  
To: RangerSF5@aol.com, qrp-1@lehigh.edu

Subject: [53258] Re: Need help with computer  
Message-ID: <0.e814282a.25380654@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

In a message dated 10/14/99 9:20:22 PM US Mountain Standard Time,  
RangerSF5@aol.com writes:

<< How do I get into win.ini with WIN-95? >>

Start|run|sysedit

Click Start, click Run and then enter sysedit and hit OK. That will open  
several files including win.ini.

Use the normal precautions and make a copy of it first.

Good luck...  
Gerry Elam  
PHX AZ

-----  
Date: Fri, 15 Oct 1999 00:50:58 EDT  
From: RangerSF5@aol.com  
To: qrp-1@lehigh.edu  
Subject: [53259] Thanks Gerry  
Message-ID: <0.d1a0f1da.25380cb2@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Click Start, click Run and then enter sysedit and hit OK. That will open  
several files including win.ini.

Use the normal precautions and make a copy of it first.

Good luck...  
Gerry Elam  
PHX AZ

Thanks Gerry for the super fast response.  
Problem is solved.  
Bob  
WA2HOQrp <tm>



-----  
Date: Thu, 14 Oct 1999 21:54:44 -0700  
From: Gary L Surrency <gsurrency@juno.com>  
To: qrp-1@lehigh.edu  
Subject: [53260] NC20: T8 mod  
Message-ID: <19991014.215445.-321693.0.gsurrency@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

Hi everyone,

We in the NC20 development team have determined that the number of windings on PA collector choke T8 should be reduced from 10 to 6 turns. With the original number of turns on T8, the inductance is too high and there is a probability that some low frequency oscillations might occur at certain power levels and load conditions. These oscillations could cause spurious output at higher frequencies.

The recommended procedure is to remove 4 of the 10 bifilar turns, and then expand the remaining 6 bifilar turns around the core to allow reinstalling into the PCB pads.

David Meacham, W6EMD, mentioned this in an earlier analysis to the NC20 development reflector, and I verified it by careful monitoring of my prototype NC20 and on the final NC20 kit as well. While listening to the NC20 transmitting into a dummy load on another receiver (my K2) setup nearby, I could hear a slight low frequency buzzing on the carrier. After modifying the prototype and listening to it again, I could no longer detect this buzz. A comparison of the signal on the un-modified NC20 verified it still had the low frequency content on the signal. I subsequently modified it, and the buzz disappeared on it also.

This spurious content was not detectable on a monitor scope, as it is very low in frequency and amplitude, possibly in the 40-100 Hz range. That might explain why it is not readily seen on a spectrum analyzer, since typically much higher frequencies nearer to the desired signal are displayed. But it is audible on the signal when listening with a nearby receiver, and could spawn other undesirable signals and cause slight instability. You would probably never hear it over the air from a distant NC20, but it should be corrected as a matter of good RF engineering.

If you tend to work with antennas that are not well matched, you might want to reduce the value of R80. This is the base-to-ground resistor on the PA transistor. Tests I've performed indicate the NC20 can be made almost unconditionally stable this way, into badly mismatched antennas, or even with no antenna at all connected to the output.

The recommended value for R80 is 10 ohms. If your NC20 is somewhat low in output, this change may reduce your maximum output slightly. In that case you might want to investigate the reason for low output, as all of our rigs in the development team have been capable of at least 7 watts output at maximum drive.

Some possible causes of low output (in order of likelihood) would be:

Improper bandpass filter adjustment

Low VFO drive (bad J310, poor 2N5179)

Incorrect winding of any of the toroids in the TX stages

Incorrect parts placement or bad parts in the TX bandpass filter, driver, and PA lowpass filter.

A poor 2SC1969 PA device.

If everything checks out, and your maximum output is still in the 5-6 watt range with R80 at the original 22 ohms, you could use a 12-15 ohm resistor for R80 and still maintain at least 5 watts output and highly stable operation even into reactive loads. The Norcal resistor kit is a good source for these value resistors. I am using a 12 ohm resistor in both of my NC20s and still have up to 7 watts output at 13.8 v and at full drive. I plan to reduce R80 to 10 ohms after some more testing is done.

Lowering the base resistor in this manner is detailed in the ARRL's Solid State Design book as a method of taming instability in high gain RF power devices. These devices typically have very low input impedance and very high gain in the 3.5 to 21 MHz range. The driver stage in the NC20 is designed to work into a low impedance like this, and is capable of plenty of drive using two PN2222 transistors in parallel. Having a low R value on the PA's base and plenty of drive results in the most stable operation under all conditions.

I have checked with Dave Fifield, the designer of the NC20 and Red Hot Radio kits, and he agrees that this change should be made to the Norcal club kits. He also is implementing these changes into the Red Hot Radio kits for both 20m and 40m as a part of the continuing evolution of these fine transceivers.

As in any product, there are always improvements to be found well after the transfer into production. We intend these for the mods to improve what is already a very good QRP rig, and hope that you will appreciate that effort. Both of my rigs have excellent signal characteristics, as many of you have told me after a QSO. Thanks for your support of the NC20 project, and let me know if there are any questions or if any of us in the NC20 team can help.

If any of you have worked Ken, N4S0, using his NC20, you know how good an NC20 can sound. We have worked with Ken (and many others) to get his kit purring smoothly, and it shows by the number of DX stations he has worked as a result. Good work, Ken.

It is probably too late for these mods to appear in the upcoming issue of QRPP that has all of the other mods I documented, so please save or print this information for later referral.

PS. Have you eliminated your chirp yet? ;-)

73, and thanks.

Gary Surrency AB7MY QRP-L #571 Chandler, AZ (near Phoenix)

-----  
Get the Internet just the way you want it.  
Free software, free e-mail, and free Internet access for a month!  
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

-----  
Date: Fri, 15 Oct 1999 01:01:15 EDT  
From: RangerSF5@aol.com  
To: qrp-l@lehigh.edu  
Subject: [53261] Computer problem solved  
Message-ID: <0.68dfe35d.25380f1b@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Thanks Lynn and Gerry.  
They were too of the fastest responses I ever received on this list.  
COMPUTER PROBLEM IS SOLVED.  
Thanks very much  
Bob  
WA2HQrp <tm>

-----  
Date: Thu, 14 Oct 1999 22:05:06 -0700 (PDT)  
From: David Feldman <dgif@netcom.com>  
To: qrp-l@lehigh.edu  
Subject: [53262] WTB 38 Special  
Message-ID: <199910150505.WAA13298@netcom1.netcom.com>

Looking for a Norcal 38 Special - built preferably - just want

one to play with & try out my new 30M antenna...

73 Dave WB0GAZ dgf@netcom.com

-----  
Date: Fri, 15 Oct 1999 01:55:54 -0400  
From: "Ed Tanton" <n4xy@att.net>  
To: "QRP-L Reflector" <qrp-l@Lehigh.EDU>  
Cc: "Ham PIC List" <ham-pic@qth.net>, "Homebrew Reflector" <homebrew@qth.net>  
Subject: [53263] For Sale: cpu/stuff  
Message-ID: <NBBBJDEEIFDDANGEGHLBOEOMHEAA.n4xy@att.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Please excuse the BW folks-I have no idea where else I could bring this up.

I have several items from the very early days of the microprocessor revolution, and before I go to ebay with them, I thought I'd see about these 3 lists members being interested. What I have is: 1) an IMSAI 8080 S-100 bus cpu/front panel in near mint condition; 2) A never-used Morrow's Microstuff S-100 bus "Quiet-Mother" Motherboard; 3) A never-used S-100 floppy driver card AND its NEVER-USED belt driven (!) 5 1/4 floppy disk drive; 4) an 8-inch disk drive with driver card and CP/M on an 8 inch floppy disk; 5) several other associated boards, including a sort-of prehistoric multi-I/O card; a memory card, and a cassette interface card.

This is definately an AS-IS kind of thing. Probably documentation for everything-if I can find it. Also, 99% of the first several years of Byte Magazine from issue 1 as well as Kilobaud, same range of issues. I will NOT ship the magazines, and make no promises about actual issues or completeness. But they should all be as just described, and so should the hardware.

If you are interested in this piece of history, give me a shout.

Again my apologies to those not interested, etc.

72 / 73 Ed N4XY email: <n4xy@arrl.net>

webpage: <http://www.qsl.net/n4xy/>

-----  
Date: Thu, 14 Oct 1999 23:44:32 -0700

From: Scott Gregson <emtech@steadynet.com>  
To: qrp-1 <qrp-1@lehigh.edu>  
Subject: [53264] Emtech - Back online  
Message-ID: <3806CD50.C5F890DF@steadynet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Emtech is back online. Our computer was having i/o problems  
(motherboard),  
so I had to get a hold of another one.

So now we are back online, if you sent an email, we are trying to  
respond to them asap.

Thank you for your patience,  
Scott

-----  
Date: Fri, 15 Oct 1999 00:35:32 -0700 (PDT)  
From: "Jack Oakland, CA" <w6abc@yahoo.com>  
To: qrp-1@Lehigh.EDU  
Subject: [53265] Tuna Tin Beacon on 7.043.10 735Z till 750Z  
Message-ID: <19991015073532.3257.rocketmail@web2102.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Will beacon at 300 mw. on 7.043 Starting at 12:35AM  
PDT 10/14/99 If anyone is up late in the Bay Area tune  
in and see if this Tuna Tin is getting out.  
Have it onthe Yagi pointed North.  
72,  
Jack  
Pse respond to friday2k@pacbell.net

=====

-----  
Do You Yahoo!?  
Bid and sell for free at <http://auctions.yahoo.com>

-----  
Date: Fri, 15 Oct 1999 07:22:35 -0400  
From: John R Kirby <n3aaz-qrp@juno.com>

To: nf9k@eudoramail.com, qrp-1@Lehigh.EDU  
Subject: [53266] Re: SPICE simulator recommendations?  
Message-ID: <19991015.072243.-294419.0.n3aaz-qrp@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

Joel and Group

Do you know about "Circuit Maker".  
>> <http://www.microcode.com/DEMOS.HTM><<

The Student version is free  
(95/98/NT, 3 MB), (Win 3.x, 5 MB).  
With the student program one can draw and print schematics and  
make and plot Winspice calculations too.  
It has enough power for what could come to my mind in the ham shack.  
One can edit existing circuits and / or  
add circuits (both analog and digital) and  
even create your own spice models (always use a new / different file name  
though, else existing models can be lost, if lost, just un-zip a second  
time into a new sub-directory) but . . . first run the tutorials ( made  
my learning curve much quicker, HI HI ).

The student version is here. . .  
>><http://www.microcode.com/student.htm><<

>>NOTE TO SCHOOLS: The CircuitMaker Student Version is ONLY authorized  
>>for use by students on their \*personal home\* computers.  
>>It is NOT to be used by schools or other educational institutions of  
any kind!

John  
N3AAZ  
FM19xa

On Thu, 14 Oct 1999 10:13:06 -0500 "Joel Kluender, NF9K"

<nf9k@eudoramail.com> writes:

>All,

>

>I've seen this topic before on this list so please e-mail me  
>directly.

>

>I'd like to know people's opinions about the best low-cost SPICE  
>package out there. It doesn't need to be really capable in terms of  
>number of nodes, but obviously the more the better. I'd like opinions  
>on

>  
>(1) the best freeware version of a SPICE simulator  
>(2) the best < \$100 version of a spice simulator  
>  
>I used to use the student edition of MicroCap when I was in school and  
>something like that would probably be good enough. Again, more power  
>is always better though.  
>  
>Thanks,  
>Joel  
>---  
>Joel Kluender, NF9K  
>870 Prairie Street S.  
>Shakopee, MN 55379  
>  
>Great is the Lord, and worthy of praise!  
>  
>  
>  
>Join 18 million Eudora users by signing up for a free Eudora Web-Mail  
>account at <http://www.eudoramail.com>

---

Get the Internet just the way you want it.  
Free software, free e-mail, and free Internet access for a month!  
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

---

Date: Fri, 15 Oct 1999 08:01:38 -0400  
From: DNT1@daimlerchrysler.com  
To: KFGLYNN@prodigy.net  
Cc: qrp-1@Lehigh.EDU  
Subject: [53267] Re: Need Opinion on Keyer: Super CMOS-III or MFJ-492?  
Message-ID: <8525680B.00421B21.00@lmgodd03.notes.chrysler.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-Disposition: inline

You wrote:

> Hoping to get some opinions on what keyer's best.

If you haven't already, check out the Smartkeyer III at  
<http://www.qsl.net/n4yg/page3.html>

No, I don't have one of them. I did seriously consider one of them before I got the AEA MM-3 keyer (thanks again, Chuck!) as it was the closest I could come to

it that I know of. The usual disclaimers apply, haven't even met Joe yet even though I live 15 min. from Huntsville. I have had the opportunity to look one of the keyers over very closely (inside & out) and was impressed with the workmanship & quality of his unit. BTW, it's about half the size of the MM-3.

Hope this is of some use to you.

72/73, Don T. AI4CW QRP-L#1670

\*\*\*\*\*  
\*\*\*\*\*

The SMART KEYER III is an advanced design which takes advantage of experience with the original SMART KEYER and the SMART KEYER II, both of which are proven designs. Hundreds of both models are in operation around the world. The SMART KEYER III builds on this legacy and incorporates advice offered by expert operators, contestors and DX enthusiasts. It is a joy to operate. It is packaged in a handsome cabinet which will complement and enhance the appearance of your station equipment. A 12-key keypad is conveniently located on a sloping front panel along with speed and sidetone volume/on/off control knobs.

The rear panel contains all the interconnecting jacks which interface with any transmitter, paddles, remote keys, and the RS232 port of your computer. The top panel contains status indicators (LEDs) along with printed shorthand reminders of the numerous functions of the keypad. The SMART KEYER III has its own power supply, sidetone and a users manual which includes a complete circuit diagram.

#### Summary of Features

- Iambic, Dot Memory, Dash Memory
- Speed and Weight set by keypad
- Speed Control pot provides +\ - 10 WPM relative to keypad setting
- Automatic Serial Numbering
- Built-in Sidetone w/volume control
- 18-Messages, 2000 Characters
- Messages Retained Indefinitely by non-volatile memory
- Commands Embedded in Messages
- Proved Flexibility (see right)

Embedded Commands Provide:



Loops with delays  
Automatic speed change during playback of messages  
Insertion of Serial Number  
Automatic Incrementing of Serial Numbers  
(Customized as desired)  
Combining of Several Messages

A microcomputer chip along with very specialized software provides the accuracy, flexibility, versatility, reliability and user-friendliness that are characteristic of the SMART KEYER III. This is combined with non-volatile memory which preserves messages as well as important parameters when power is interrupted or turned off. Meticulous care has been taken in software (residing as firmware in the computer chip) design. The functions which you can perform with the keypad have been optimized to make them logical, easy to use.

#### Friendly Reminders

Shorthand reminders of the numerous functions that can be performed with the keypad are printed on the top panel. After reading the manual once, you will not have to refer to it again. Also note the four status LEDs. These show you the current message bank (A or B) and message PLAY and LOAD modes.

#### 18 Messages Keypad Controls

Two memory banks contain 9 messages each. These may be loaded directly using the paddles or using your PC and the RS232 port located on the rear panel. Messages are stored in non-volatile memory and are retained when power is turned off.

Almost everything is controllable on the SMART KEYER III. Things which are done often, such as playing messages are accomplished with a single key-stroke.

Message 1 begins the instant key

1 is pressed. Look at some of the things you can do with a few key-strokes:

Single Key-Stroke to:

- Playback Messages
- Playback the Serial Number
- Key Transmitter (for Tune-up)

Multiple Key-Stroke to:

- Change Center Speed
- Change Weight
- Change Sidetone Frequency

- Turn Dot/Dash Memory and Iambic on/off
- Reverse Paddles
- Check Speed (Hear Speed in Morse)
- Load Messages
- Enter New Serial Number (S/N)
- Increment S/N
- Decrement S/N
- Play N for 9 and T for 0 in S/N
- Embed Commands in Messages

#### Embedded Commands

Commands embedded into messages provide incredible flexibility. Speed may be changed, other messages played, the serial number inserted and incremented and many other very useful tasks may be performed during message playback.

\*\*\*\*\*

Contact info:

-----

Joe Lunsford  
1304 Toney Drive  
Huntsville, Alabama 35802

n4yg@qsl.net Phone: 256-881-8278

\*\*\*\*\*

-----

Date: Fri, 15 Oct 1999 12:19:32 GMT  
From: mwattcpa@earthlink.net (Marty Watt)  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [53268] Re: Need Opinion on Keyer: Super CMOS-III or MFJ-492?  
Message-ID: <38081b64.120226772@mail.earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: quoted-printable

On Thu, 14 Oct 1999 22:18:17 -0400, "Kevin F. Glynn" =  
<KFGLYNN@prodigy.net>  
wrote:

>Hey gang,  
>  
>Hoping to get some opinions on what keyer's best. My MFJ Grandmaster  
>MFJ-484 may be put out to greener pastures soon. It served me well, but  
>looking for something newer and better.  
>

>I'm looking at Idiom Press' Super CMOS-III (same as Logikey K-3) and the  
>MFJ-492.

I have the CMOS-II and CMOS-III. Both were kits. I recommend them over =  
the  
MFJ, and any other keyer for that matter, both in terms of ease of use =  
and in  
battery life. I don't like the Logikey K-3 version of the CMOS-III =  
because it  
does not have a battery provision, and runs off 12V (with a regulator). =  
You  
could modify it, but with the cost of the kit, I'm not sure why.

Marty, N5NW  
Memphis, Tennessee

-----  
Date: Fri, 15 Oct 1999 08:27:28 -0400  
From: David Hinerman <dlh1009@ritvax.isc.rit.edu>  
To: qrp-l <qrp-l@lehigh.edu>  
Subject: [53269] Re: Exploding Batteries  
Message-ID: <38071DB0.CE9CC2F8@rit.edu>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7BIT

Ken Hanks wrote:

>  
> Interesting discussion lately on the Fire-L (firefighters mailing list)  
> about a flashlight that exploded on a firefighter.

> <http://www.cdc.gov/niosh/fact0002.html>  
>  
> I will be happy to e-mail a copy to anyone who does not have web access.  
>  
> I have been aware of the hydrogen gas from car or marine batteries.  
>  
> I never gave a thought to the "C" or "D" cell types batteries.

Ken,

Same here. I never knew carbon/zinc and alkaline cells could produce  
hydrogen. I guess my habit of using vented cabinets is justified now.  
(Most people just called me cheap.)

Dave

--

Dave Hinerman WD8CIV  
Ontario, NY Grid FN13IF  
dlh1009@rit.edu

-----  
Date: Fri, 15 Oct 1999 08:39:38 -0400  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <ken.hanks@po.state.ct.us>, "Low Power Amateur Radio Discussion" <qrp-  
l@Lehigh.EDU>  
Subject: [53270] Re: Exploding Batteries  
Message-ID: <014d01bf170a\$a5690be0\$9001a8c0@wn.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

My ex-father-in-law gave me a 'hazardous environment' flashlight as a gift one time. (He was a 'tool' guy, and collected neat things like that!) Anyway, it was really neat. Utterly overpriced for anything a normal consumer would need or use. It was plastic, but fairly heavy gauge. It had seals at every junction. And the bulb had a 'spring' arrangement holding it in that upon closer examination was actually part of the circuit so that if the bulb physically broke it's envelope, the circuit would be open, even though the bulb itself was behind a lense that had an O-ring seal.

Mike Yetsko  
N1DVJ

> Interesting discussion lately on the Fire-L (firefighters mailing list)  
> about a flashlight that exploded on a firefighter.  
>  
> Investigation by NIOSH (National Institute for Occupational Safety and Health)  
> pointed as the most likely cause was mixing of batteries with different  
> charge states. Excessive hydrogen gas was produced and an explosion  
> resulted.  
>  
> Most flashlights used by firefighters (and others) are air and water tight.

>  
> Any hydrogen produced is either vented through a 1 way check valve or  
> absorbed by a  
> chemical. An explosive concentration of hydrogen is developed if the  
rate  
> of  
> hydrogen production is higher than rate of absorption or release.  
>  
> Report states that this can happen with batteries from different  
> manufacturers,  
> types, or charge status.  
>  
> Full report available at:  
>  
> <http://www.cdc.gov/niosh/fact0002.html>  
>  
> I will be happy to e-mail a copy to anyone who does not have web  
access.  
>  
> I have been aware of the hydrogen gas from car or marine batteries.  
>  
> I never gave a thought to the "C" or "D" cell types batteries.  
>  
> Something to think about before the next trip to the field with a box  
of  
> "AA" cells.  
>  
> 73,  
>  
> Ken Hanks K1XS  
> Naugatuck, CT  
> Kennfd@snet.net  
> <http://www.qsl.net/k1xs>  
>  
>

-----  
Date: Fri, 15 Oct 1999 08:28:08 -0500  
From: Michael Melland <badger@vbe.com>  
To: kory@avatar.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [53271] Re: OT: Which scope should I buy  
Message-ID: <38072BE8.376901F9@vbe.com>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7bit

Kory Hamzeh wrote:

> Which one should I buy? I'll be using this more general electronics (mostly  
> ham radio stuff) work.

Kory,

Personally I wouldn't buy any of your choices (although the 465/475 are nice scopes). If portability isn't a real issue I'd opt for something like the Tek 7603 100 MHz frame and plug ins. The going rate for a used one in good condition is about \$275 with plug ins. About 18 months ago I was in the same boat. When I called to buy a 465 the seller sort of talked me out of it and sold me a 7603 instead. I've never regretted it. The 7000 series Tek scopes are arguably the finest analog scopes ever released. The work horse of the series (some say the standard all analog scopes should be compared to) was the 7603. With plug ins, available at great prices right now I might add, the range can be expanded to over 1 gig and there are even fine spectrum analyzer plug ins available (7L13). IMHO I'd email or call a guy like Lew Coppes in Phoenix for info and advice. I purchased mine from him as have others on the list. [lcoppes@primenet.com](mailto:lcoppes@primenet.com)

73 de Mike Melland  
W9WIS

-----  
Date: Fri, 15 Oct 1999 09:52:55 -0400  
From: Ken Newman <[N2CQ@citnet.com](mailto:N2CQ@citnet.com)>  
To: QRP-L@lehigh.edu, [njqrp@njqrp.org](mailto:njqrp@njqrp.org)  
Subject: [53272] QRP Contesting This Weekend  
Message-ID: <[3.0.6.32.19991015095255.00910b10@mail.citnet.com](mailto:3.0.6.32.19991015095255.00910b10@mail.citnet.com)>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

~~~~~  
QRP CONTEST CALENDAR

October 16-18, 1999

~~~~~  
Worked All Germany Contest (CW/SSB) ... QRP Category

Oct 16 - 1500z to Oct 17 - 1500z

Rules: <http://home.sol.no/~janalme/rules/wadl.txt>

~~~~~  
RSGB 21/28 MHz Contest (CW) ... QRP Category

Oct 17 - 0700z to 1900z

Rules: <http://home.sol.no/~janalme/rules/rsgb2128.txt>

~~~~~  
And Later.....

~~~~~  
Rhode Island QSO Party (CW/SSB) ... QRP Category

Oct 23 - 0000z to Oct 24 - 2400z

Rules: <http://www.99main.com/~ctri/rules.htm>

~~~~~  
QRP ARCI Fall QSO Party (CW) \*\*\* QRP Contest \*\*\*

Oct 23 - 1200z to Oct 24 - 2400z

Rules: <http://www.qrparci.org/arcitest.html#fallarci>

~~~~~  
Ten-Ten International Net Fall QSO Party (CW) ... QRP Category

Oct 30 - 0000z to Oct 31 - 2400z

Rules: <http://listserv.lehigh.edu/lists/tenten-1/rules.html>

~~~~~  
The Zombie Shuffle \*\*\* QRP Event \*\*

Oct 29

Info: <http://www.fix.net/~jparker/norcal/contest/shuffle/shuffle.htm>

~~~~~  
CQ WW DX Contest (SSB) ... QRP Category

Oct 30 - 0000z to Oct 31 - 2400z

Rules: <http://cqww.com/cqwwrule.html>

~~~~~  
The Black Cat Tuna Tin 2 Event \*\*\* QRP Event \*\*\*

Oct 30 - 31

Info Below. See <http://www.njqrp.org> for Tuna 2 kits etc.

-----  
Date: Thu, 23 Sep 1999 18:48:05 -0400  
From: Bruce Muscolino <w6toy@erols.com>  
To: QRP-L@LEHIGH.EDU  
Subject: [51130] The Black Cat Tuna Tin 2 Event

ARRL Hosts the QRP ARCI for a Black Cat Halloween Special Event

On October 30 and 31, 1999 the American Radio Relay League will host the QRP Amateur Radio Club International for a "Black Cat" QRP on-the-air party for all QRPers. For two days, W1AW/QRP will be on the air using the actual original Tuna Tin 2 transmitter designed and built by Doug DeMaw, W1FB! The "Black Cat" theme was chosen to tie the Tuna Tin 2 to Halloween, for a night of ghostly fun that QRPers can talk about for years.

The Tuna Tin 2, so called because it used a common tuna fish tin for a chassis and two 2N2222 transistors was introduced to the world in May, 1976 in a QST feature article by Doug DeMaw. For many hams, it served both as their first QRP experience, and their first building experience.

Even though it disappeared under mysterious circumstances from the ARRL Lab, it was later rediscovered at a hamfest over 100 miles away from ARRL HQ. Rescued from an ingominious end under that hamfest table by Ed Hare, W1RFI, a well-known QRPper who works in the ARRL Lab, it was restored to full operation in June of 1999 by Bruce Muscolino W6TOY/3. It is still in use today! Over this summer, it has had a short but exciting career, on the air from W1AW and W1RFI, travelling to various distant locations and hamfests to let others see the "real deal!" Now it comes home to rest up for this fall's operating event.



The original Tuna Tin 2 operation will be on 40 meters for the entire period. Late night operation will be directed toward working as many DX stations as can be heard! (QRP DX includes many parts of the United States as well as overseas hams.) You don't have to be using QRP to work the Tuna Tin 2, just listen around 7040 kHz for W1AW/QRP and give us a call! Additional Tuna Tin 2 replicas will be operating on 10.106 and 14.060 MHz, to give all the best chance to participate in this QRP extravaganza.

Certificates and special QSL cards will be issued to commemorate this ARRL/ARCI special event. Hams are welcome to stop by W1AW over the event weekend to see the original Tuna Tin 2. Operating time may be limited, but those who wish to operate the original Tuna Tin 2 should be able to make few contacts. Please set aside some time Halloween weekend to work W1AW/QRP, and each other for a weekend of informal QRP fun! Contact Bruce Muscolino, W6TOY (w6toy@erols.com) or Ed Hare, W1RFI (w1rfi@arrl.org) for more details.

A special note. The Halloween weekend also hosts the NorCal Zombie Event. Ed Hare will have a special Zombie number and will be giving it out to any who ask! See you all at this historic event.

-----  
72 de  
Ken Newman - N2CQ  
Woodbury, NJ  
N2CQ@ARRL.NET

~~~QRP Contest Calendar~~~  
<http://www.njqrp.org/data/contesting.html>

~~~ NJ QRP Club Callsign ~~~  
WQ2RP

-----  
Date: Fri, 15 Oct 1999 07:41:17 -0700  
From: Jeff Grudin <grudin@vdb.com>  
To: qrp-1@lehigh.edu  
Subject: [53273] Yet another gel cel question  
Message-ID: <38073D0D.891C7813@vdb.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

A friend of mine bought some 6V gel cell batteries from a guy. When he got them home, they measured 3V each. From my infinite wisdom learned from prior QRP-L posts, I told him that I believed they might be dead and while they may take a charge, they might have greatly reduced capacity.

He discussed this with the guy who sold them to him. He said I didn't know what I was talking about and that these were new gel cells and they were fine with voltages as low as 3V.

Can someone enlighten me?

Please respond direct as I will be postponing QRP-L for a few days while doing my zombie thing at Pacificon.

Thanks.

--

73 de AC6KW <mailto:grudin@vdbbs.com>  
Jeff Grudin, DVM Web Add: <http://www.vdbbs.com/~grudin>  
Ocean Animal Clinic / Cat Clinic of Santa Cruz - Santa Cruz, California  
Norcal QRP #1292 QRP-L #16 ARS #351 AR Qrp #131

-----  
Date: Fri, 15 Oct 1999 09:58:58 -0500  
From: "Joe Spencer" <joes@tcjc.cc.tx.us>  
To: "QRP-L Discussion" <qrp-l@Lehigh.EDU>  
Subject: [53274] FOX team question  
Message-ID: <00cc01bf171d\$cf9a160\$0a00430a@vectra>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

I haven't been paying attention or keeping up because I wasn't thinking of a team approach...but a couple of us here have been discussing a Fox Hunt team. So can someone bring me up-to-date? Are there max/min numbers? What names have been used? What else should I know about teams?

Tnx es

72.3 Joe KK5NA

-----  
To run from your demon is to have him pursue you.  
It is better to meet him in his world, than to face him in yours!  
-----

Visit the RACC QRP Home Page at <http://www.k5rac.org>  
Visit the FISTS Web page at <http://www.FISTS.org>  
Visit NORTEX QRP Home PAGE at <http://www.quadj.com/nortex.htm>

-----  
Date: Sun, 18 Apr 1999 11:23:06 -0500  
From: Dick Stimson <destimson@juno.com>  
To: qrp-l@lehigh.edu  
Subject: [53275] Looking for 14.060 crystals  
Message-ID: <19990418.112453.6606.1.destimson@juno.com>

Need a couple of 14.060 crystals in the 49U containers and have not been successful through Ocean State Electronics (they are out), Mouser or Dan's Small Parts. Appreciate any sources where they are available.

I am upgrading my 49'er to a 29'er. Say, what is a K2 anyway ??? Is it something from NEW YORK CITY ??? My 49'er works great !!!!

Many thanks for any help.

Dick KK5X0  
Edmond, OK

-----  
Get the Internet just the way you want it.  
Free software, free e-mail, and free Internet access for a month!  
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

-----  
Date: Fri, 15 Oct 1999 09:04:35 -0700  
From: Norm Melick <henmel@worldnet.att.net>  
To: unlisted-recipients;; (no To-header on input)  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [53276] Re: OT: Which scope should I buy  
Message-ID: <38075093.495341DF@worldnet.att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Michael Melland wrote:

> Kory,  
>  
> Personally I wouldn't buy any of your choices (although the 465/475 are nice  
> scopes). If portability isn't a real issue I'd opt for something like the Tek  
> 7603 100 mHz frame and plug ins.

I agree whole heartily. I would add 2 things.

1. Consider the 7704A. You get one extra bay for the same price.
2. But a second one for parts. I've picked them up for as little as \$10.00 at the swap meets.

Disclaimer: I own three 7704A's :)

Norm/KQ6SD

-----  
Date: Fri, 15 Oct 1999 12:01:49 EDT  
From: charles k brown <n4so@juno.com>  
To: qrp-1@lehigh.edu  
Subject: [53277] Excess equipment/Tektronix Type 602  
Message-ID: <19991015.155948.6687.12.n4so@juno.com>

Tektronix Type 602  
Display Unit

This is excess equipment and I hope someone has a use for it. The Display Unit is working and was used at one time to display mark and space frequencies for tuning of amtor and pactor signals. The back of the unit has bnc connectors for X and Y inputs. It has other uses where you need to display a constant signal or wave shape.

Ken Brown N4SO  
Mobile, AL/EM50tk  
NorCal-20/5 watts/4 ele. beam

-----  
Get the Internet just the way you want it.  
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Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

-----  
Date: Fri, 15 Oct 1999 11:06:12 -0500  
From: Michael Melland <badger@vbe.com>  
To: Dave Pomeroy <dave\_pomeroy@yahoo.com>, qrp-1@lehigh.edu  
Subject: [53278] Re: OT: Which scope should I buy  
Message-ID: <380750F4.21C377E6@vbe.com>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7bit

I'm posting this to the list as well to provide a source of general information to those who are thinking of the purchase of a 7000 series Tek scope.

> Does Tek have a sig. gen. plugin for this frame (7603)? Thanks again.

There's not much they didn't have available. Yes, the 7D15 plug in is a Universal Counter/Timer..... DC to 225 MHz. They also have sampling heads, tdr's, spectrum analyzer, differential amps, different time bases, vertical amps, dmm's etc..... all you need is money. Seriously a decked out 7603 with read out, two 7A26 vertical amps and a 7B53A time base in the 80's would have sold for \$8,000 or more when new. Not a bad deal now used at \$275.

A good source of info on the 7000 series is at:

<http://www.caip.rutgers.edu/~kahrs/testeq/7000.html>

And Tek has some info at:

<http://www.tek.com/Measurement/Support/scopes/faq/7kfaq.html>

BTW the 7603 was produced from 1973 until 1992 or so..... and is still supported to the year 2000 by Tek (although they are so damn expensive who can afford them <grin>). And yes, the 7603 and plug ins are all Y2K compliant <grin>.

73 de Mike, W9WIS

-----  
Date: Fri, 15 Oct 1999 11:44:02 -0500  
From: "George T. Baker" <w5yr@swbell.net>  
To: badger@vbe.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [53279] Re: OT: Which scope should I buy  
Message-ID: <380759D2.EC7650E8@swbell.net>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7bit

I don't want to rain on any parades, but having been bitten by this particular little beast, let me mention it for what it is worth.

I presently own and use a Tek 465B scope. It is in great shape and works just like new. Bought it from a major used test equipment dealer as fully

refurbished and aligned, certified to NIST-traceable standards, etc.  
Couldn't be better. Cost only \$995. Yes, I paid too much . . .

The scope prior to that was a portable Tek that also worked great and costs a few hundred used from the same shop. But, it lost a number of power supply components for some unexplained reason and would no longer work. Cost to repair? Much more than what I originally paid for it. I was able to get a fair allowance as trade-in on another unit, not the 465B.

The point of all this is simply that we are talking here about Cadillac scopes that due to age, etc. are now available for a song. As long as they work, they are great. But when they break, the repair bill is on the same scale as their original price.

So, my advice is to keep in mind that you may be liable for some serious repair bills. Hopefully not, and hopefully you can always replace the unit with another at a bargain price. But, if anything goes wrong, a professional repair shop is almost always the only answer and they don't come cheap - neither do Tek parts, new or used.

72/73, George            AMA 98452            R/C since 1964

Amateur Radio W5YR, in the 54th year and it just keeps getting better!  
AutoPOWER Systems, Fairview, TX (30 mi NE Dallas) Collin County  
QRP-L QRP-ARCI FISTS NORCAL ZOMBIE ARS 10-X 33.2 N 96.6 W EM13RE

Michael Melland wrote:

>

> I'm posting this to the list as well to provide a source of general  
> information to those who are thinking of the purchase of a 7000 series  
> Tek scope.

-----

Date: Fri, 15 Oct 1999 11:04:26 -0600  
From: "Marshall Emm" <mgemm@mtechnologies.com>  
To: DNT1@daimlerchrysler.com, qrp-l@lehigh.edu  
Subject: [53280] Smart Keyer III Re: Need Opinion on Keyer: Super CMOS-III or MFJ-492?  
Message-ID: <199910151702.LAA10606@edison.chisp.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

If you haven't already, check out the Smartkeyer III at  
<http://www.qsl.net/n4yg/page3.html>

They're also available at Morse Express -- <http://www.MorseX.com/smartkey>. As are the CMOS III and LK-3 at <http://www.MorseX.com/idiom> , and the Jackson Harbor keyers at <http://www.MorseX.com/jackson.htm> .

I used an AEA CK-2 for years, and the Smart Keyer III is definhitely the logical descendant of the AEA keyers.

73  
Marshall Emm  
N1FN/VK5FN  
n1fn@MorseX.com  
Morse Express and Oak Hills Research  
"Everything for the Morse Enthusiast"  
<http://www.MorseX.com>  
<http://www.ohr.com>  
(303)752-3382  
--

-----  
Date: Fri, 15 Oct 1999 12:37:17 -0500  
From: Michael Melland <badger@vbe.com>  
To: w5yr@swbell.net, qrp-1@lehigh.edu  
Subject: [53281] Re: OT: Which scope should I buy  
Message-ID: <3807664D.BCB53F23@vbe.com>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7bit

"George T. Baker" wrote:

> The point of all this is simply that we are talking here about Cadillac  
> scopes that due to age, etc. are now available for a song. As long as  
> they work, they are great. But when they break, the repair bill is on the  
> same scale as their original price.

Very valid point George..... but then again all of us qrp'ers are risk takers aren't we <grin>.

The problem with many test instruments re: repair "can" be parts availability due to the mfgs practice of using proprietary IC's and house numbered components. But I can much more easily swallow the \$275 cost of a vintage scope for my needs over the cost of a \$4500 new LaCroy. There are some amazing deals in vintage test equipment right now. Most of the people I deal with have a 10 day inspection period and a 30 day warranty..... and all the

spare parts I could ever need. BTW there are loads of cal people who will work on these for hobbyists and get them in spec very reasonably. If you know who to call or where to look. There are several HP and Tek retired engineers/bench techs who do this work very reasonably. Last charge to me was a week ago.... \$150 to certify/calibrate my spectrum analyzer (HP) plus repair/replace a few buggy parts/switches at a cal lab in Terrell, TX. And I purchased the analyzer for only about \$200. So for \$350.00 I have a nice HP spectrum analyzer with everything working to specs and with a NIST cert cal..... I'd hate to price this out new.

Enough scope talk..... back to radio !

73 de Mike, W9WIS

-----  
Date: Fri, 15 Oct 1999 10:37:25 -0700  
From: Ed Loranger <we6w@qsl.net>  
To: qrp-l@lehigh.edu  
Subject: [53282] Spectrum Display Unit  
Message-ID: <38076655.C49EBCEC@qsl.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi Gang, and happy Friday! I've been playing with this really cool spectrum display unit, SDU-100 I got in a oscillator trade. It is really cool!

Am looking for suggestions from people familiar with this type of instrument. Mostly add-on suggestions and also to hear of their experiences with it.

What it is:

It has a fixed input IF with spectral display on a monochrome monitor as wide as +/- 5 MHz and as narrow as +/- 50 KHz also includes a timedomain feature.

You may select a center frequency by parts substitution anywhere in 6 ranged: 3.6-15 MHz, 14.5-28 MHz, 28-44 MHz, 35.5-53 MHz, 54-69 MHz and 63-79 MHz. It is a decent receiver with max input of -50 dBm and a fairly quiet noise floor on the display spec'd at -130 dBm. This is an 80 dB dynamic range. Also scaled with 6dB S-units on the right vertical graticule with S9=50 uV.



Anyway, I'm dreaming of applications for this thing! Obviously it can monitor the IF output of a RX and that is it's primary purpose, but with a 10 Mhz bandwidth, it has potential for signal monitoring.

I have an initial application where I will set the center frequency to a 9 MHz IF on the DRAKE TR-3 and be able to easily check most of the HF spectrum in bands.

It would be nicer to set-up a switchboard to select from multiple input center-frequencies as I desire and I may do some 'ugly, ground-plane' pcb construction add-on.

Thanks in for your inputs.

72/Ed we6w

--

-Ed AR Millennium Q's=>1400/2000 QRP-L#1068 Old NC#2227  
72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA  
QRP-Z#106 AR#112 HI-QRP#64 ARCI#9397 ARS#275

-----  
Date: Fri, 15 Oct 1999 12:43:47 -0500  
From: "Joel Kluender, NF9K" <nf9k@eudoramail.com>  
To: qrp-l@lehigh.edu  
Subject: [53283] OT: AM SW Receiver Design  
Message-ID: <HLEKCPGOLBAHAAAA@shared1-mail.whowhere.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

All,

I'm beginning to think about my next project and I believe that it will be an AM shortwave receiver. I'm interested in receiving HCJB on 12.005 & 12.115 Mhz. I'm thinking of designing for a minimal parts count/cost which still yields a reasonably well performing radio into headphones. I want to use VX0 control to tune between the morning and evening frequencies (12.005 & 12.115).

Anyone out there done something like this, and have any advice? Anyone want to think about this problem together. I have no specific time frame on this - just a fun exercise to build a cheap, simple but working radio in whatever time it takes me.

Thanks for the BW

Joel NF9K

---

Joel Kluender, NF9K  
870 Prairie Street S.  
Shakopee, MN 55379

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<http://www.eudoramail.com>

-----

Date: Fri, 15 Oct 1999 10:55:16 -0700 (PDT)  
From: "Jack Oakland, CA" <w6abc@yahoo.com>  
To: qrp-1@Lehigh.EDU  
Subject: [53284] TunaTin2 On the air and working!  
Message-ID: <19991015175516.24350.rocketmail@web2102.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Finally got the TunaTin2 on the air and operational  
this morning. Worked K7DU in Hanna, Wyoming at about  
8:30 AM PDT. Got a report of 4/3/9. Output on my QRP  
wattmeter indicated 250mw. I guess I'm ready for the  
Pacificon event tonight.

72,  
Jack

=====

-----  
Do You Yahoo!?  
Bid and sell for free at <http://auctions.yahoo.com>

-----

Date: Fri, 15 Oct 1999 08:45:01 -1000  
From: "Art Neilson, AH6PZ" <art@hawaii.rr.com>  
To: w5yr@swbell.net  
Cc: qrp-1@lehigh.edu  
Subject: [53285] Re: OT: Which scope should I buy  
Message-ID: <3.0.6.32.19991015084501.008c3810@clients1.hawaii.rr.com>  
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

I have a 7603 I purchased from Lew Coppes in Phoenix. If the thing breaks all I have to do is to replace the broken plugin, the vertical am plugin 7A25 and timebase 7B23 are well under \$100 to replace, why get anything fixed? Just replace the broken part with a good one. Even the 7603 from is fairly cheap, much cheaper than getting it repaired. The 465 is a nice scope too. Picked one up at a local auction for \$100 and sold it to another ham for \$150 and used the \$\$ towards my 7603 w/2 7A26 amps and 7B23 timebase. I'm super happy with my setup.

At 11:44 AM 10/15/99 -0500, you wrote:

>I don't want to rain on any parades, but having been bitten by this  
>particular little beast, let me mention it for what it is worth.

>

>I presently own and use a Tek 465B scope. It is in great shape and works  
>just like new. Bought it from a major used test equipment dealer as fully  
>refurbished and aligned, certified to NIST-traceable standards, etc.  
>Couldn't be better. Cost only \$995. Yes, I paid too much . . .

>

>The scope prior to that was a portable Tek that also worked great and  
>costs a few hundred used from the same shop. But, it lost a number of  
>power supply components for some unexplained reason and would no longer  
>work. Cost to repair? Much more than what I originally paid for it. I was  
>able to get a fair allowance as trade-in on another unit, not the 465B.

>

>The point of all this is simply that we are talking here about Cadillac  
>scopes that due to age, etc. are now available for a song. As long as  
>they work, they are great. But when they break, the repair bill is on the  
>same scale as their original price.

>

>So, my advice is to keep in mind that you may be liable for some serious  
>repair bills. Hopefully not, and hopefully you can always replace the  
>unit with another at a bargain price. But, if anything goes wrong, a  
>professional repair shop is almost always the only answer and they don't  
>come cheap - neither do Tek parts, new or used.

>

>72/73, George           AMA 98452           R/C since 1964

>Amateur Radio W5YR, in the 54th year and it just keeps getting better!  
>AutoPOWER Systems, Fairview, TX (30 mi NE Dallas) Collin County  
>QRP-L QRP-ARCI FISTS NORCAL ZOMBIE ARS 10-X 33.2 N 96.6 W EM13RE

>

>

>Michael Melland wrote:

>>  
>> I'm posting this to the list as well to provide a source of general  
>> information to those who are thinking of the purchase of a 7000 series  
>> Tek scope.

>

--

```
/*
 *  /  )    _/_  It is a capital mistake to theorise before one has data.
 *  /--/  _ _  /   Insensibly one begins to twist facts to suit theories,
 *  /  ( _/ ( _< _  Instead of theories to suit facts.
 *                               -- Sherlock Holmes, "A Scandal in Bohemia"
 * Arthur W. Neilson III, AH6PZ
 * Bank of Hawaii Tech Support
 * art@hawaii.rr.com
 */
```

-----  
Date: Fri, 15 Oct 1999 14:50:28 -0400  
From: David Hinerman <dlh1009@ritvax.isc.rit.edu>  
To: qrp-l <qrp-l@lehigh.edu>  
Subject: [53286] buzz saw?  
Message-ID: <38077774.68BC1883@rit.edu>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7BIT

Folks,

Is somebody near a receiver? Can you tell me if the "buzz saw" is in the neighborhood of 7 MHz?

It is currently 1849Z 15 Oct 1999.

Sorry for the bandwidth, but I don't have a receiver and I'm on a witch hunt. Thanks!

Dave

--

Dave Hinerman WD8CIV  
Ontario, NY Grid FN13IF  
dlh1009@rit.edu

-----  
Date: Fri, 15 Oct 1999 15:46:19 EDT  
From: RangerSF5@aol.com

To: qrp-1@lehigh.edu  
Subject: [53287] 2nd CALL for LOST \*E\* MAIL  
Message-ID: <0.d76d045c.2538de8b@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

To the person who wanted the small rock bound transmitter from FAR catalog,  
I lost you'r address.  
You said you received you'r ticket on FEB. 99  
Please respond with address.  
Bob  
WA2HOQrp <tm>

-----  
Date: Fri, 15 Oct 1999 16:15:39 EDT  
From: RangerSF5@aol.com  
To: qrp-1@lehigh.edu  
Subject: [53288] STILL LQQKING.....LAST TRY  
Message-ID: <0.d02f4fef.2538e56b@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Hi Gang,  
This is my third request for the reel to reel recorder.  
I had over 15 others respond.  
I mail them back and I never hear from them again.  
If you have one,  
Please tell me what condition it's in, the price and where to send the money  
order  
Thank You  
Bob

-----  
Date: Fri, 15 Oct 1999 20:15:57 -0500  
From: "Robert G. Seymour" <bobsey@juno.com>  
To: qrp-1@lehigh.edu  
Subject: [53289] suuper glue  
Message-ID: <19991015.201619.-109595.0.BOBSEY@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

All the discussion about using suuper glue in Manhattan construction

reminded me of another way of doing the same thing. It was published in QST some years ago, but I don't remember the author. It used pads made from the thinner PC material-.032" I think. With a hobby knife cut a thin slice of hot melt glue and position it where the pad is to go. Place the pad over the glue and touch an iron to the pad for a few seconds. Iron heats the pad which heats the glue and voilla, a glued down pad. If you want to move the pad around a little, heat it and slide it to the new location. I used this method in several projects and it worked fine for me. Sometimes the glue will soften when soldering to the pad but after soldering the glue joint is as strong as ever. You might want to experiment with this method.

72,73

Bob, W0LK

---

Get the Internet just the way you want it.  
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Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

---

Date: Fri, 15 Oct 1999 15:26:41 -0500  
From: "Joel Kluender, NF9K" <nf9k@eudoramail.com>  
To: "Low Power Amateur Radio Discussion" <grp-1@Lehigh.EDU>, nf9k@eudoramail.com  
Subject: [53290] Re: OT: AM SW Receiver Design  
Message-ID: <GIBFIIJIPPIHAAAA@shared1-mail.whowhere.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

All,

In my last e-mail I said I wanted to VX0 between 12.005 and 12.115, which can't be done. I meant to say 12.005 and 12.015, which I think can be done. Sorry for the confusion.

Joel

---

Joel Kluender, NF9K  
870 Prairie Street S.  
Shakopee, MN 55379

Great is the Lord, and worthy of praise!

On Fri, 15 Oct 1999 12:43:47 Joel Kluender, NF9K wrote:

>All,

>

>I'm beginning to think about my next project and I believe that it will be an AM

shortwave receiver. I'm interested in receiving HCJB on 12.005 & 12.115 Mhz. I'm thinking of designing for a minimal parts count/cost which still yields a reasonably well performing radio into headphones. I want to use VX0 control to tune between the morning and evening frequencies (12.005 & 12.115).

>

>Anyone out there done something like this, and have any advice? Anyone want to think about this problem together. I have no specific time frame on this - just a fun exercise to build a cheap, simple but working radio in whatever time it takes me.

>

>Thanks for the BW

>

>Joel NF9K

>---

>Joel Kluender, NF9K

>870 Prairie Street S.

>Shakopee, MN 55379

>

>Great is the Lord, and worthy of praise!

>

>

>

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>

Join 18 million Eudora users by signing up for a free Eudora Web-Mail account at <http://www.eudoramail.com>

-----

Date: Fri, 15 Oct 1999 13:53:05 -0700

From: Ed Loranger <we6w@qsl.net>

To: qrp-l@lehigh.edu

Subject: [53291] Kits under \$50.00; pacificon; QRP Dreams....

Message-ID: <38079431.98EA900C@qsl.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Well gang, the list sure is quiet this Friday. Perhaps there is a qrp gathering somewhere off-line? maybe I'll drive over to Pacificon tomorrow and see if that might be the answer.

I didn't get any replies detailing what kind of kits are available at the event. I guess I'm gonna

have to plunk down 2x\$10.00 and access teh vendor's area to find out. That will cut into my kit money.

Perhaps it is the text display on the K2 rig and the fact I take a lot of measurements on the equipment I use where I have to "Babysit" while the spectrum analyzer or DVM settle down.

Had a dream last night and the DVM displayed the following: A flickering voltage measurement followed by: "Babysitting Required" -- weird. Maybe it has something to do with Pacificon and the kids going to friends' house for the day.

Perhaps I'll bite the bullet and buy a MRX/TT2 Kit. I've been meaning to homebrew one and put in a real harmonic suppression filter but no time.

If you are going to Pacificon, I'll be the nearly bald-headed guy, gray hair and goatee and yellow shirt! Love that line!

Seriously, probably all in black as usual with 52 ounce coffee mug. Oh, of particular note is the police handcuffs from my wrist to the bag holding the K2. Oh, and gray hair and goatee...

But not too much "Waist"-ed bandwidth around the belt :)

Take care all, have a great weekend and see you Monday.  
72/Ed we6w

--

-Ed AR Millennium Q's=>1400/2000 QRP-L#1068 Old NC#2227  
72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA  
QRP-Z#106 AR#112 HI-QRP#64 ARCI#9397 ARS#275

-----  
Date: 15 Oct 1999 15:54:04 LOC  
From: <SFIKE@twa.com>  
To: <qrp-l@lehigh.edu>  
Subject: [53292] Time Travel  
Message-ID: <19991015.155404.SFIKE@twa.com>

I finally got around to watching the NOVA special that was broadcast on PBS this week on Time Travel. I thought the experiments the Scientists did with the microwave broadcast of Mozart music was interesting! They split the signal and sent half through an antenna over the air and the



other half of the signal was sent through a barrier. The signals were only sent about 2 or 3 feet, but somehow the signal that was sent through the barrier managed to get to the other receiver before the signal that was broadcast over the air did! Somehow, the barrier sent signal managed to EXCEED the speed of light at 4.7 times!!!! Not even the Scientists could explain it fully! This looked like a relatively simple experiment to perform. And I wonder if those Scientists hold amateur radio licenses? Since the signals were only being sent a few feet, I'm sure they were only transmitting at QRP levels! I must admit, this was the most bizarre experiment I have ever seen!!! This was an excellent documentary on time travel and I highly recommend it to anyone who might even be casually interested in the subject! Chances are pretty good that PBS will air it again sometime this month if you missed it, so check your local listings!

I realize this might seem slightly off topic, but I figured since so many guys had gone to Pacificon I would try to liven things up a bit. I already noticed a sharp decrease in bandwidth used when I checked my e-mail today!!

72

Scott, KC0BUS

-----  
Date: Fri, 15 Oct 1999 17:03:41 EDT  
From: KF4EIB@aol.com  
To: qrp-l@lehigh.edu  
Subject: [53293] Download Morse Academy ?  
Message-ID: <0.b09e787b.2538f0ad@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Hi to all,

Try as I might, I thought I had a web site to download the latest version of Morse Academy. Any help would be appreciated.

Tnx es 73,

Gordon kf4eib

-----  
Date: Fri, 15 Oct 1999 15:12:07 -0600 (CST)  
From: Bruce Rattray <rattray@gpfn.sk.ca>  
To: Low Power Group <qrp-l@LeHigh.EDU>  
Subject: [53294] Ni-Cads for qrp

Message-ID: <Pine.LNX.3.95.991015150326.4727A-1000000@neale.gpfn.sk.ca>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

I'm recalling a posting done by someone on QRP-L but I'm not recalling it 100%...this person heard a speaker from NASA(?) who specialized in ni-cads....I think he put his ni-cads in a refrigerator for some reason...so far, when it comes to ni-cads, I have thought the idea was to drain them down before re-charging them thus avoiding the "memory" scenario....but I think this posting was saying that one should not worry about the "memory" affect but just use them and drop them in the recharger after each use....apparently draining the ni-cads down "completely" before recharging might avoid the "memory" affect but would assure you get the overall shortest life out of the ni-cads, to the delight of the manufacturer....so if anyone recalls that posting, maybe the author, I would like to know if I have a good handle on the meaning of this article because I'm involved with the use of a lot of ni-cads every day...thank you very much.....

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272  
A-1 Operator Club - 10/10# 944 - 128 Durham Drive, Regina, SK.,  
S4S-4Z2, Canada-AR Stamp Collector- "QRP! How sweet it is!"

-----  
Date: Fri, 15 Oct 1999 15:16:25 -0600  
From: "Ron Smith" <resmith666@uswest.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [53295] Fw: Yet another gel cel question  
Message-ID: <003201bf1752\$8b456040\$02000000a@uswest.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

> Please respond direct as I will be postponing QRP-L for a few days  
> while doing my zombie thing at Pacificon.

Why not post your replies direct to Jeff, and to the list for the rest of us with enquiring minds? There are many of us 3000+ users who have little or no experience with gel cells!

72...

Ron Smith  
KD7VD  
Boise, Idaho

(An Enquiring Mind!)

-----  
Date: Fri, 15 Oct 1999 17:22:30 EDT  
From: W1XV@cs.com  
To: qrp-1@lehigh.edu  
Subject: [53296] FS: Argonaut 515 and accessories  
Message-ID: <0.c949226.2538f516@cs.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

I have for sale aN Argonaut 515, 206A, 208A, 210A, and digital display for \$550.  
On a scale of 1 to 10, all of these score a 10. The digital display is housed in a Ten-Tec case and can easily pass for an original accessory. It even has the TT logo!! I will not separate the items.....UNLESS someone wants to purchase the 515 only. However, the sale must take place first. Interested parties can leave e-mail or call me in NH at 603-224-5737 no later than 0130Z please. Tnx es 72 Brad W1XV

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Date: Fri, 15 Oct 1999 16:17:57 -0500  
From: "Mike D." <hrg@megsinet.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [53297] RE: Download Morse Academy ?  
Message-ID: <000201bf1752\$c0d1df40\$d1cdd6d8@urbancom.net>  
MIME-version: 1.0  
Content-type: text/plain; charset="iso-8859-1"  
Content-transfer-encoding: 7bit

Morse Academy is available at:

<http://ah0a.org/AH0A.html>

For many other Morse code related links, please visit my web site under Morse Code Links.

73 de Mike, N9BOR  
FISTS NR 4594  
<http://www.qsl.net/n9bor>

di dah dit - The only roger beep you'll ever need.  
My designated driver is a 12BY7A.  
I want to party like it's 1969.  
Solid State leaves me cold.

> Try as I might, I thought I had a web site to down load the  
> latest version of  
> Morse Academy. Any help would be appreciated.

-----  
Date: Fri, 15 Oct 1999 18:34:40 -0400  
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>  
To: "INTERNET:w6abc@yahoo.com" <w6abc@yahoo.com>  
Cc: QRP-L Discussion Group <QRP-L@Lehigh.edu>  
Subject: [53298] TunaTin2 On the air and working!  
Message-ID: <199910151838\_MC2-890D-A968@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: 7bit  
Content-Type: text/plain;  
charset=us-ascii  
Content-Disposition: inline

Jack and Gang:

Can someone please fill me in on whether there will be some guys operating at/from Pacificom tonight or over the weekend. Been asleep at the switch, I suppose. Have some new stuff to try out and sure would like to get in on something organised. Thanks.

72,  
--Doc Lindsey/K0EVZ  
DSBF  
PO BOX 6028  
Bismarck, ND 58506  
70511.3041@compuserve.com

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Date: Fri, 15 Oct 1999 18:53:11 EDT  
From: RangerSF5@aol.com  
To: qrp-l@lehigh.edu  
Subject: [53299] Need help with part ID  
Message-ID: <0.a54b7c48.25390a57@aol.com>

Hi Gang,  
I removed a part from a piece of electronic gear.  
It's blue, 3/4x3/4x1/4.  
On the top it says NEC  
On the side it says PSR

There is another one located where the 120V line comes in.  
It's epoxy filled.  
Is this some sort of fuse?  
On the 120 line, it's bridged acrossed the 2 lines so if that opened, I would still have my 120V coming in.  
Anyone know what this part is?  
Thank You  
Bob  
WA2HQrp <tm>

> 1) LDG QRP Tuner. Best of 5 offers over \$100. This includes case and

> Manual. No scratches and very clean.  
> 2) Wilderness NC 40A with K-1 freq. read out and keyer. This rig is very  
> clean. Modifications made to include manual and computer keyer jacks on  
> back panel. There is also a DPDT switch on back panel which switch in two  
> additional freq. ranges. Each range is about 50 kHz. This comes with a  
> manual. This radio in kit form with shipping would run easily \$175. I  
will  
> take best of 5 bids over \$150. Will package deal both together if  
> interested.  
>  
> Please respond to me directly and not on the reflector.  
>  
> 72,  
>  
> Bill  
> K9YEQ  
> b11john@msn.com  
> MNQRP Club  
> K-2 (FT #35), NC-40A, 38S, LDG QRP Auto tuner  
>  
>  
>

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End of QRP-L Digest 1609

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